

# CASE STUDY GERMAN AIR FORCES

## PROJECT KEY FACTS

**Location:** Germany

**Application:** Military Air Bases / Unpaved Runways

**Solution:** Military Airfield Lighting Trailer

**Products:** Portable Runway Edge Lights, Portable Runway Threshold End Lights, Portable Taxiway Lights, Portable Full PAPI System, Power Banks, Diesel Generators, UR-201 Control & Monitoring Unit, ALCMS Basic, UR-101 Handheld Controller, Trailer

**Buyer:** NATO Member State

**Year of Delivery:** 2020



## OVERVIEW

The German Air Force is the branch of the Bundeswehr - the armed forces of Germany. It's the third largest air force in European Union. All acquisitions & procurements for Bundeswehr are regulated by NATO standards.

In recent years Chief Command invested in upgrade of military equipment for German Air Forces. One of the procurements was a portable emergency airfield lighting system to support night operations.

## CHALLENGE

German army is one of the most demanding military customers in the World. The highest quality and compliance with aviation and military standards is a must for every supplier who wants to deal with German military.

Portable airfield lighting products that German Army was using by that time, did not meet their expectations in terms of quality and performance. Thus, the challenge was to find a better alternative solution that would be more reliable, more longlasting, certified and compliant with European aviation standards.

## SOLUTION

S4GA offered Military Airfield Lighting Trailer specifically designed for NATO operations. The Trailer accommodates a complete portable airfield lighting system able to illuminate up to 3 500 m runway in accordance with Customer's requirements. It includes portable runway & taxiway lights, mobile full PAPI system, power banks and generator sets. All lights are controlled remotely via ALCMS integrated into the Trailer. ALCMS provides individual light status monitoring and automatic light failure reporting.

S4GA portable airfield lights are certified and fully compliant with ICAO, FAA, STANAG regulations. The lights have been tested in accredited independent laboratories, and are fully capable and compliant with NATO NVG operation requirements.

S4GA Military Trailer is the best solution for military air bases, temporary runways and humanitarian missions.



SP-401 LIGHTS  
OPERATING IN NVG MODE

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## S4GA PRODUCTS



PORTABLE  
APPROACH LIGHT



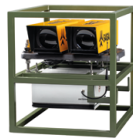
PORTABLE  
RUNWAY EDGE  
LIGHT



PORTABLE  
RUNWAY  
THRESHOLD END  
LIGHT



PORTABLE  
TAXIWAY LIGHT



PORTABLE PAPI  
LIGHT



POWER BANK  
FOR PAPI



DIESEL  
GENERATOR



TRAILER



ALCMS BASIC



UR-201 CONTROL  
& MONITORING  
UNIT



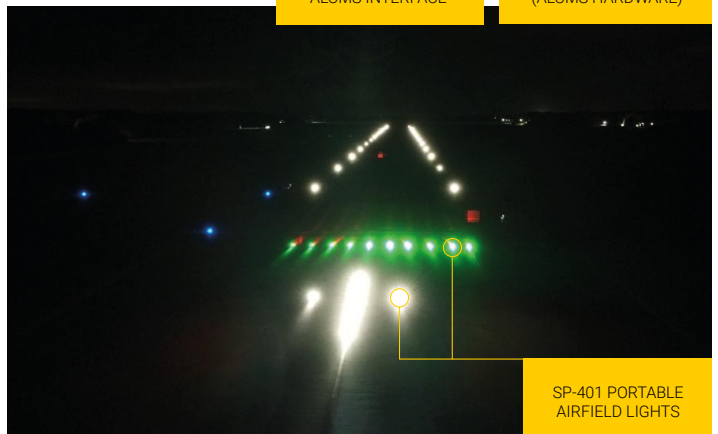
UR-101 HANDHELD  
CONTROLLER

## APPLICATION PHOTOS



TOUCHSCREEN WITH  
ALCMS INTERFACE

UR-201 CONTROL UNIT  
(ALCMS HARDWARE)



SP-401 PORTABLE  
AIRFIELD LIGHTS